



## **HIGH VOLTAGE ELECTRICIAN (2810 Series)**

### **Responsibilities**

- Install wire or cable distribution lines from public utility supply point to installation's distribution substations.
- Install transformers, capacitors, insulators, lightening arrestor, switch circuit breakers, fuses, meters, protective devices, and other equipment for main distribution lines from 2.4,V to 69kV.
- Splice wires by removing insulation, scraping clean, twisting together and soldering, or connecting conductors with mechanical connectors, splicing claps and tape.
- Troubleshoot cable systems to locate shorts, open, grounds, crosses, electrolysis damage, capacitance imbalance or cable breaks.
- Work on overhead platforms to string overhead wires and sets proper wire tension and on underground lines, run wires or cable through tunnels on conduits or lays protected cable in trenches.

### **Qualifications**

You will be evaluated for this job based on how well you meet the qualifications above. Your resume is the key means we have for evaluating your skills, knowledge, and abilities, as they relate to this position. Therefore, we encourage you to be clear and specific when tailoring your resume to describe your experience and accomplishments. You will be rated based on the information provided in your resume along with your supporting documentation to determine your ability to demonstrate the following screen-out elements which will be used to determine minimum eligibility for this job.

Demonstrate the ability to do the work of a High Voltage Electrician without more than normal supervision performing duties such as:

Install, repair, and modify high voltage electric power-generating and distribution equipment such as generators, transformers, switches, circuit breakers, recording instruments, and control systems from 480 to 69,000 volts;

Read and understand circuit diagrams of interconnects (e.g., generators, buses, switches, circuit breakers or feeders, substations, transformers, and interconnections) to diagnose problems;

Use test equipment (e.g., ohmmeters, voltmeters, meggers, continuity checkers, oscillators, phase rotation meters, digital test equipment, and cable locating and fault finding equipment).

### **Additional information**

- Required to work at a job site or location other than a permanently assigned location.
- Perform shift work, work overtime and/or be "called back".
- Typical 40-hour work week is required.
- Work other than normal duty hours, including evenings, weekends, and/or holidays.



Selectee will:

- Work above ground from aerial buck trucks and poles, at ground level, and in trenches, or manholes;
- Perform moderately heavy lifting, pulling, and carrying of equipment and material weighing up to 40 pounds and occasionally may lift or pull heavy cables and equipment weighing more than 50 pounds with the help of weight handling equipment or with assistance from other workers.
- Use block and tackle, pulleys, or other lifting devices.
- Crouch, stand, kneel, and stoop while in confined spaces. Also, bending, stooping, climbing, and standing for long periods.
- Work indoors and outdoors
- May be exposed to danger from explosions of equipment and cables in manholes and vaults, and danger from high voltage electrical shock, burns from solder, broken bones, cuts, and bruises, heat and noise when working in substations or power generating facilities, extreme weather when working outdoors, unpleasant odors and wet slippery surfaces when working in manholes. Subject to electrical burns while working around high voltage electrical lines, broken bones from falls from poles, and strains from awkward work positions, and chemicals such as insulation oil from transformers and oil switches.
- Required to wear protective devices such as earplugs, safety hats, and nonconductive gloves and footwear (company provided).

If selected, you may be required to provide supporting documentation.

**Security clearance:** Secret

### **Conditions of Employment**

REQUIRED:

- Obtain and maintain a current valid United States driver's license.
- Obtain and maintain a current valid United States Commercial driver's license.
- Successfully complete a pre-appointment physical examination.
- Obtain and maintain an interim and/or final security clearance prior to entrance on duty. Failure to obtain and maintain the required level of clearance may result in the withdrawal of a job offer or removal.
- Successfully complete a pre-employment drug test (including marijuana). A tentative offer of employment will be rescinded if you fail to report to the drug test appointment or fail to pass the test. You will be subject to random testing.